

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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50X1-HUM

COUNTRY North Korea

REPORT

SUBJECT Ensiling in Tang'o Agricultural
Cooperative, Taech'u-ri,
Anak-gun, Hwanghae-namdo

DATE DISTR. 7 October 1959

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

A report on ensiling at Tang'o agricultural cooperative. Taech'u-ri.

Anak-gun, Hwanghae-namdo

Information on the basic quantities and the types of ensilage fed to live-
stock the acreage planted in corn at the cooperative that year.
and sketches of an ensilage chopper are included in the report.

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STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC									
(Note: Washington distribution indicated by "X"; Field distribution by "#".)																			

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I. DetailsEnsiling in Tango Agricultural Cooperative
As indicated

1. Goal Quantity of Ensiling & Results: The goal quantity of ensiling of the Tango Agricultural Cooperative in Taech'u-ri, Anak-kun, Hwanghae-namdo was 45 tons for cattle only and 30 tons for pigs. The storing operation was usually begun in late September each year, and each year's goal quantity was attained in two weeks. For this two-week operation, the members of the cooperative had to center their efforts solely on the operation, abandoning all the other affairs. Though the above mentioned goal quantities were very hard to accomplish for the members, the task itself was not an impossible work for them. 50X1-HUM
2. Basic Quantity for Winter Feeding: The basically required quantity of ensiled fodder for feeding cattle and pigs in winter at the Tango Agricultural cooperative was as follows: 50X1-HUM
 - 1) The 45 tons of fodder ensiled was a quantity capable of feeding 10 cattle for five months; However, of the 45 tons, 15 tons were rotted due to imperfect storing facilities silo. This silo was built underground, but since its walls were not reinforced by ferro-concrete, water as well as air penetrated inside and caused rotting. Therefore, the cooperative had to feed the 10 cattle with the remaining fodder of 30 tons for approximately three months. This means about 30 kilograms a day a cattle. When the ensiled fodder had run out, leaders of the cooperative decided to feed the 10 cattle with hay and soy beans for two months. During these two months, 18,000 kg of hay and 450 kg of soy beans were provided for the cattle. This means that a head had eaten 30.75 kg (hay: 30 kg; soy beans: 0.75 kg) a day. From early May when grass began to grow, cattle preferred to eat grass than the eating of hay or other fodder. They ate grass alone from early spring until late fall. The cooperative had produced no silage for pigs. 50X1-HUM
 - 2) the Tango Agricultural Cooperative had produced 45 tons of forage for its cattle. The quantity was for 15 head of cattle, 5 head more than the previous year. The reason why the quantity had not been increased despite the increase of five head of cattle, was that the five head were all calves that were sucking their mothers' milk at the time of forage storing. Even they should begin to eat forage in winter and therefore the amount was estimated to be small. Thus, forage for the five calves was not provided in that year; but, there was one more reason for not providing more forage. The cooperative had cultivated more cotton than grain at that time; 50X1-HUM

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therefore, the cooperative had to suffer from the shortage of cornstalk. The cooperative was also short of manpower in that year, and it was impossible for the members of the cooperative to produce more than 75 tons of forage including fodder for pigs. However, it was thought that things might turn out differently, if a cornstalk chopping machine was provided for the members. But the providing of a chopping machine would have raised the demand of more cornstalks at that time.

the amount of forage that was fed to 20 pigs for the first time by the cooperative would be approximately 20 tons, because the 30-ton capacity silo might have turned out 10 tons of rotten forage. 50X1-HUM

In addition to the 20 tons of pig forage, approximately two tons of husks of grain were fed to pigs. Estimating from these figures, one pig's daily eating amount would be 11 kilograms; forage 10 kg and grain husks 1 kg. The cooperative was actually feeding the 20 pigs with 200 kg of ensiled forage and 20 kg of grain husks daily 50X1-HUM

until the end of November 1958, the pigs were fed with boiled grass mixed with a little amount of grain husks.

more grass might have been fed daily in amount than the amount of forage that was fed from December. each pig should have been fed with a certain quantity of boiled forage mixed with approximately 1.7 kg of grain husks and radish and dried cabbage 50X1-HUM

this estimation basing on the average eating capacity of four or five-month old pigs. The standard feeding quantity stated in the foregoing, was equally applied to pigs, cows and oxen. 50X1-HUM

3. The Size of the Corn Farm in Proportion to the Total Area under Cultivation:

the size of the cooperative's corn farm cultivated was approximately 173,250 square meters: 16.6 percent to the total area under cultivation. The total size of the cooperative's cultivated land was 1,039,500 square meters. The size of the cornfield was about half as big as the cooperative's cultivated field; and the size of this field occupied one third of the cooperative's total cultivated land. 12.5 stalks of corn were averagely planted every 3.3 square meters. To obtain these 12.5 stalks, 50 seeds were sown: four seeds per stalk. Thus, the cooperative's whole corn field was sown with 2,625,000 seeds; however, the total quantity of the corn seeds and its percentage in comparison with the total quantity of grain seeds required at the cooperative, were not known 50X1-HUM

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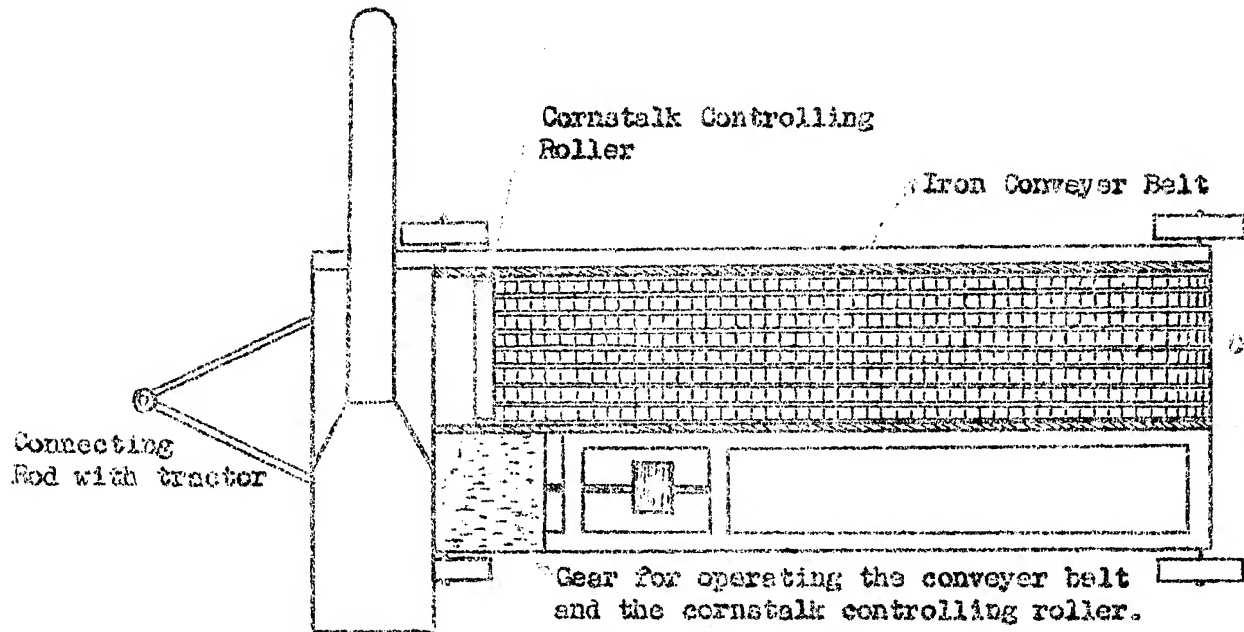
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SECRET I

Cheff Chopping Machine

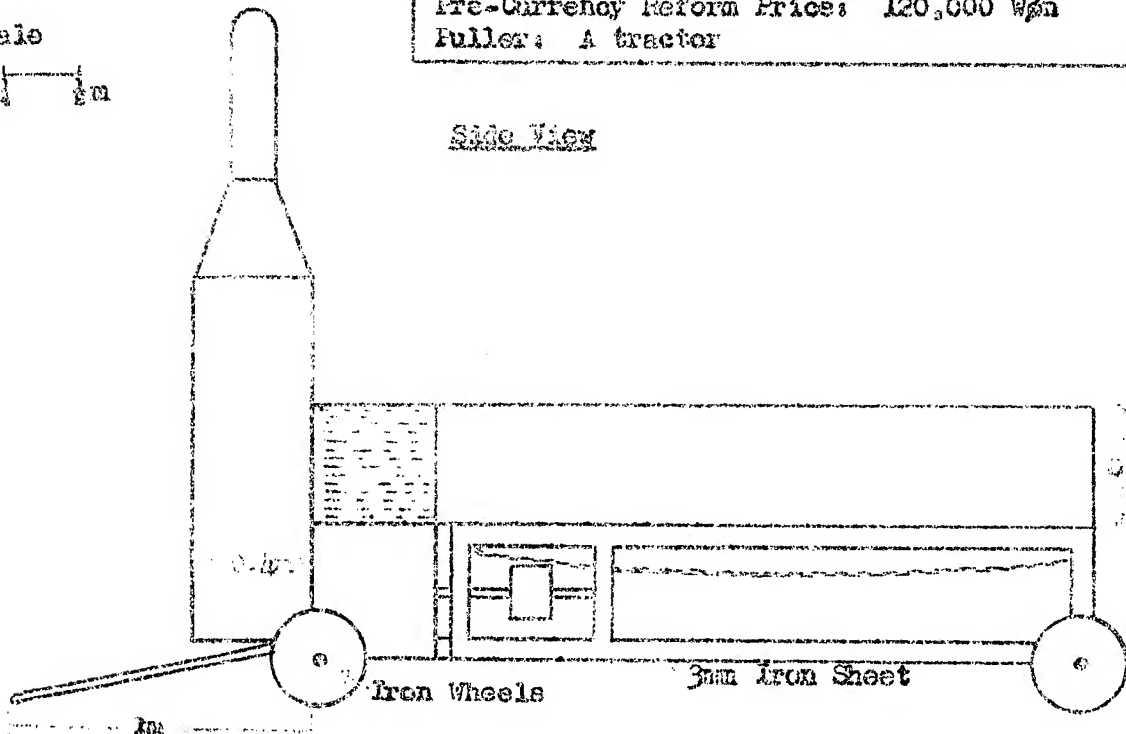
Plans View



Place of Manufacture: USSR
Power: 4 hp
Motor: Operated with a diesel or an electric motor
Pre-Currency Reform Price: 120,000 Wgn
Fuller: A tractor

Scale
0 1 2 m

Side View

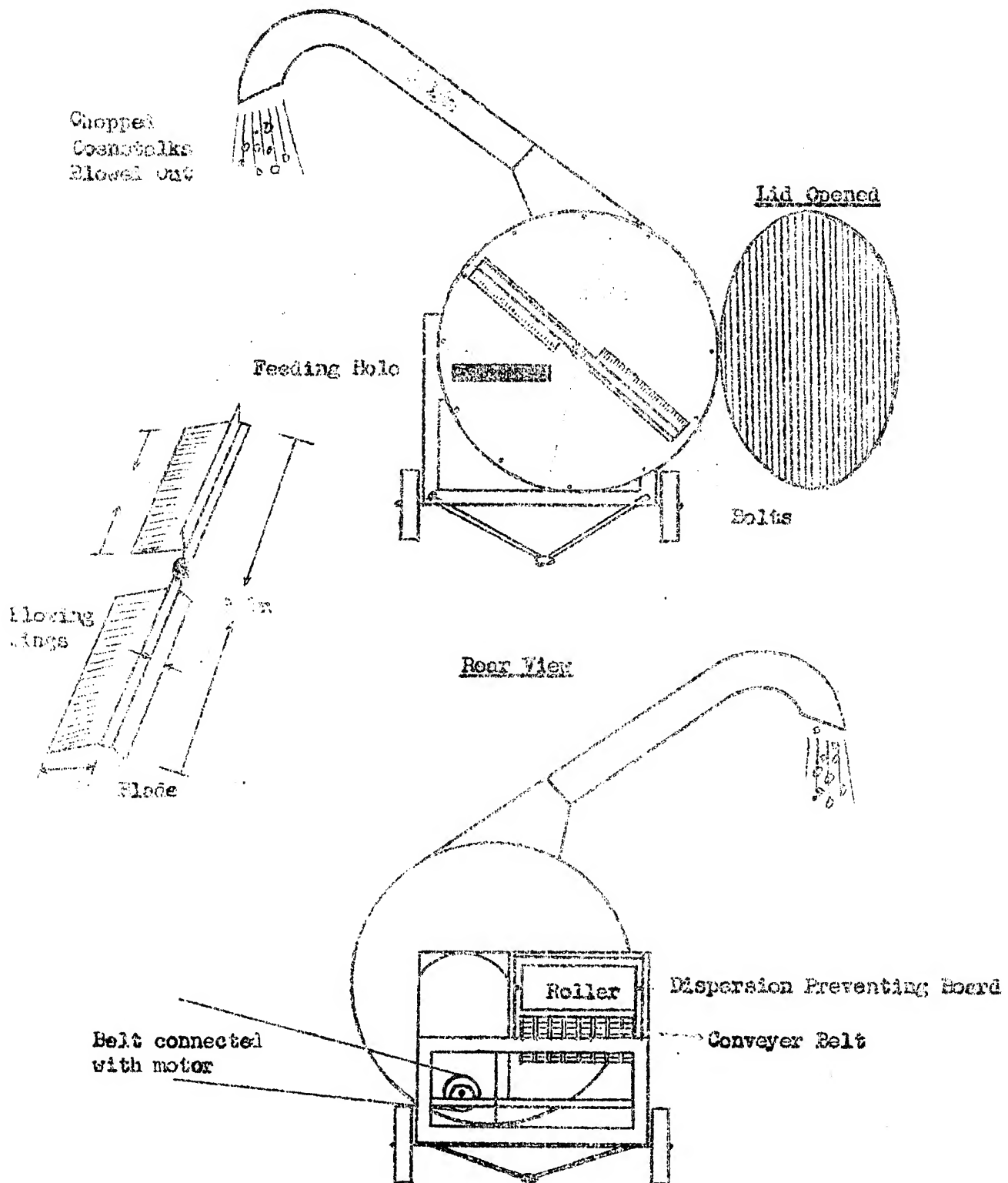


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Attachment XI

Front View



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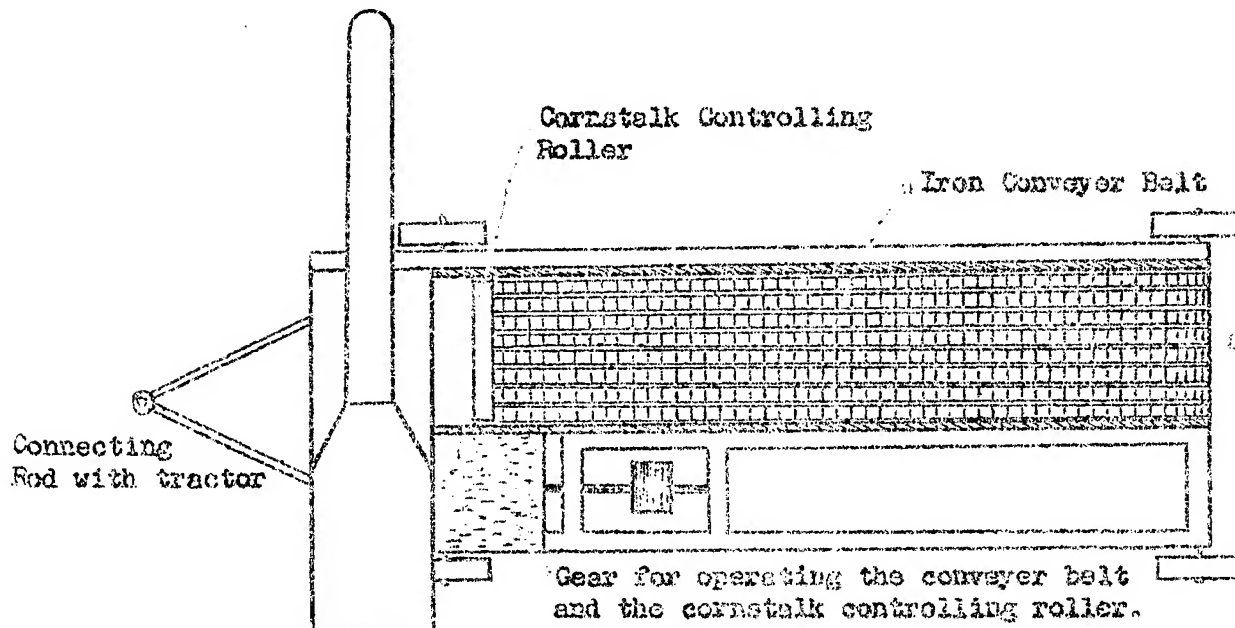
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Attachment I

Chaff Chopping Machine

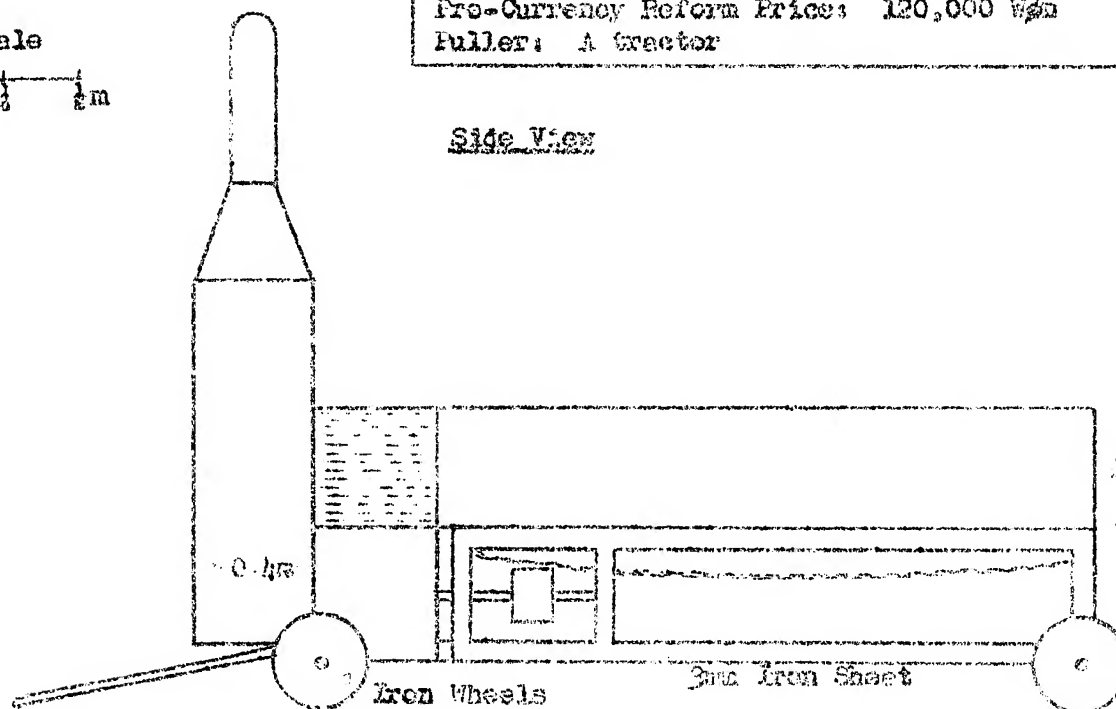
Plane View



Place of Manufacture: USSR
 Power: 4 hp
 Motor: Operated with a diesel or an electric motor
 Pre-Currency Reform Price: 120,000 Wgn
 Puller: A tractor

Scale
 0 1 2 m

Side View

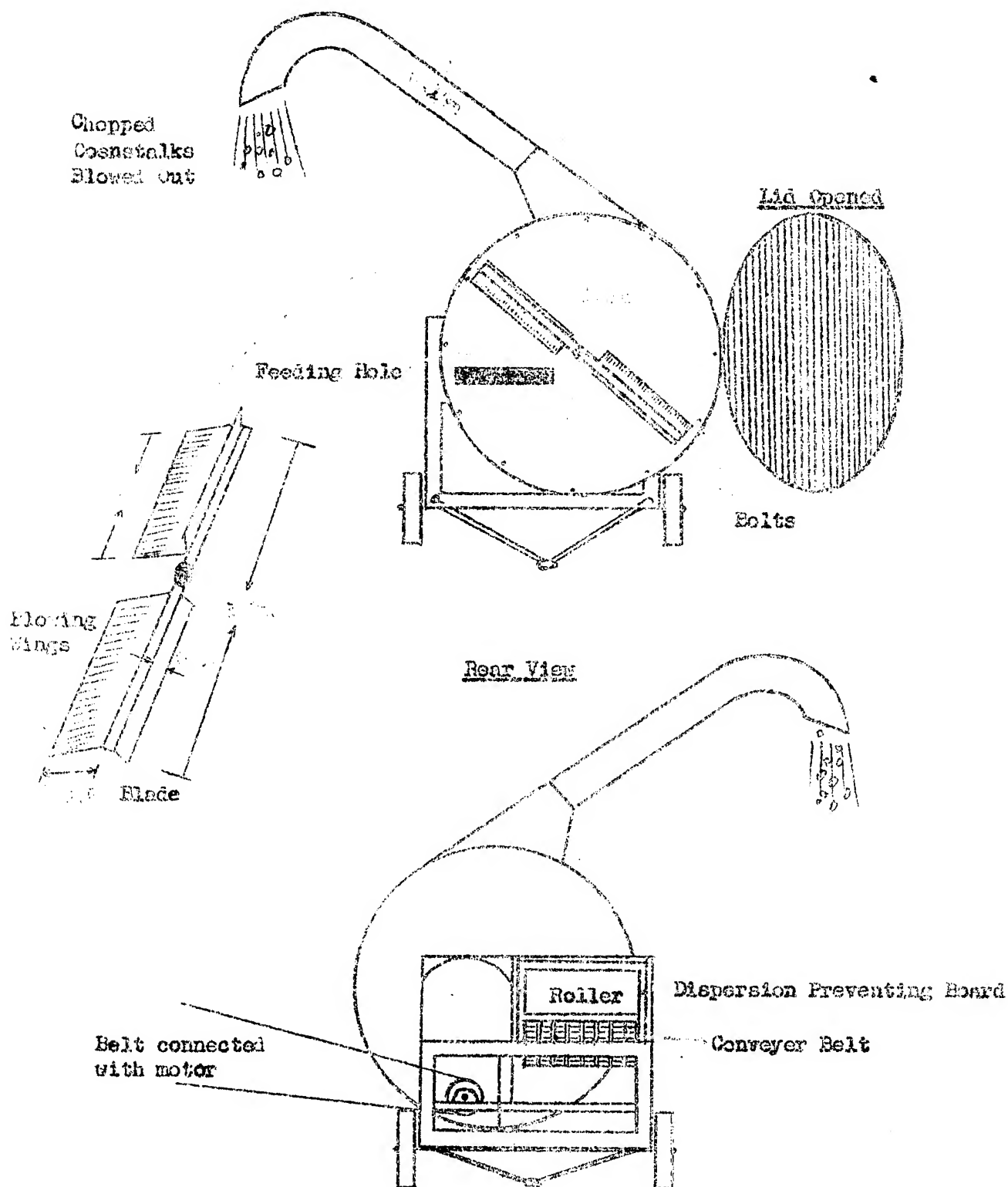


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Attachment II

Front View



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